

weighting; and

a<sup>1</sup> cont. an adder to add the coefficient signal to the input video signal, thus outputting a video signal to be supplied to the display panel.

11. (Amended) An apparatus for processing a video signal comprising:

a<sup>2</sup> a generator to generate a plurality of dither coefficient signals, each coefficient signal carrying dither coefficients arranged in a matrix, weighting being applied to each dither coefficient, the lower the gradation level, and the larger the weighting;

a detector to detect color gradation levels of an input video signal; and

an adder to add one of the coefficient signals to signal components at predetermined gradation levels of the input video signal, thus outputting a video signal.

25. (Amended) A method of processing a video signal comprising the steps of:

a<sup>3</sup> generating a plurality of dither pattern signals, each pattern signal carrying positional data indicating locations of dither coefficients on pixels arranged in a matrix on a display panel;

generating a dither coefficient signal carrying the dither

coefficients arranged in a matrix for each gradation level of an input video signal in response to one of the pattern signal; and

applying weighting to each dither coefficient, the lower the gradation level, and the larger the weighting;

adding the dither coefficient signal to the input video signal, thus outputting a video signal to be supplied to the display panel.

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